

**29.0 kW maximum power**  
**26.4 kW continuous power**



**2 YEAR/  
 2000 HOUR  
 WARRANTY**

**Genset Model # IS29**

**Control Panel**

- The microprocessor based design features a vibration-proof keypad with UV protection.
- Digital hour-meter
- Remote ON/OFF panel (5-3/8" x 3-3/4") w/ 65' cable standard.
- Low oil pressure light and safety cut-out
- Engine and alternator high temperature warning lights and safety cut-out
- Remote Control panel with instruments is optional.

**Engine**

- Easy access serviceability of injection and lubrication system, sea water pump and air filter
- Low oil pressure safety cut-out
- Exhaust high temperature cut-out
- Double vibration damping system
- Easy access to the disposable oil filter
- Built-in oil sump evacuation pump

**Alternator**

- Synchronous, 4 poles, self-excited
- Rotor and stator epoxy resin coated against external agents
- Rotor dynamically balanced
- Insulation class H

**Sound absorbant exterior housing**

The aluminum housing provides effective sound reduction and ensures the proper operation of the intercooler system. The top and side panels are removable, offering easy access during installation, and maintenance, even in very tight areas. The exterior housing of the IS29, offers practical, quiet function with size efficiency.

**Engine cooling system**

The engine cooling system is based on an internal closed coolant system. The two pumps of the raw water/coolant heat exchanger also reduce the temperature of the air flow inside the box. This system cools the alternator providing the optimal temperature for the best performance and reliability of the genset, regardless of its on-board location.

**Engine**

Model:	<b>Yanmar 4TNE94A</b>
Type:	Diesel / 4-stroke
Cylinders:	4
Cylinder block material:	Cast iron
Bore:	3.70"
Stroke:	3.94"
Displacement :	2776cc
Power @ 1800rpm:	46.4hp
RPM:	1800
Compression ratio:	18:1
Combustion system:	Direct injection
Engine head material:	Cast iron
Speed governor:	Centrifugal mechanical
Lubrication system:	Forced
Oil sump capacity with filter:	10.78 qt.
Engine stop system:	Fuel solenoid
Fuel pump:	Electric
Fuel pump discharge:	2.6'
Fuel consump. @ full load:	1.98gal/hr
Air combustion requirment:	79cfm
Starting battery:	80Ah - 12V
Battery charger:	40Ah - 12V
Max. inclination:	30°
Water pump flow:	9.9 gal/min.

**Generator Ratings**

Type:	Brushless, synchronous, 4-poles, self-excited
Cooling:	Air/water (Intercooler water/air)
Voltage:	120 - 240V
Nominal current:	240 - 120A
Frequency:	60 Hz
Max. power:	29 kW
Continuous power:	26.4 kW
Battery charging output:	10A - 12V
Power factor (cos ø):	1
Insulating class:	H
Voltage stability:	±2%
Frequency stability:	±5%

**The Water/Air Intercooler**

The engine cooling system is based on an internal closed coolant system. However, in addition, the unique Mase Intercooler System creates an internal circular motion of air keeping the engine, as well as the alternator, at the ideal temperature. By creating this cooling "capsule" a minimal amount of heat is absorbed and emitted by the genset.

